



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Robert P. Meagley et al.

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Art Unit: 1752

Serial No.: 10/666,019

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Examiner: Amanda C. Walke

Filed: September 17, 2003

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Docket: ITL.1015US
P16702

For: Quantum Efficient Photoacid
Generators for Photolithographic
Processes

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Assignee: Intel Corporation

Mail Stop Appeal Brief-Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY BRIEF

Sir:

This Reply Brief responds to the new points made by the Examiner under heading (10) Response to Argument.

The issue here is whether or not the reference teaches a structure which is entirely sigma bonded. The Examiner notes that one embodiment of the reference teaches, among other things, alkoxy carbonyl groups. But of course, carbonyl groups include a carbon atom coupled, by double bonds, to oxygen. Therefore, such a structure would not be entirely sigma bonded. Likewise, the same material within the reference, column 13, lines 10-20 also suggests using a vinyl group, which has double bonds between two carbon atoms. Also, the 2-oxoalkyl group is suggested which has a double bond between carbon and oxygen. See column 13, line 27.

The fact that carbon bonds to four hydrogens or four other groups entirely sigma bonded is fine, but nothing in the reference suggests using any structure that would be entirely sigma bonded. Instead, a variety of structures are suggested including, for example, carbonyl and vinyl

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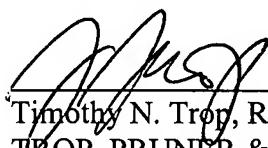
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groups that would not be sigma bonded. Thus, there is no teaching of making all the substituents R_{1B} , R_{2B} , and R_{3B} entirely sigma bonded.

For all of these reasons, the rejection should be reversed.

Respectfully submitted,

Date: May 24, 2007



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